BRUHATH BANGALORE MAHANAGARA PALIKE

Name of work: Constructions of drains in Hoodi Munishamappa Layout in ward no.07 Byatarayanapura, Kodigehalli Sub Division.

SL	Description of work	No.	Dimensions			Qty	Rate	Unit	Amount
			L	B	D				
1	2	3	4	5	6	7	8	9	10
1	KSRRB 300-1. Earthwork excavation by manual means in rodinary soil involving an average horizontal throw upto 2 m and an average lift upto 1.5m, excavated surafce levelled and sides neatly dressed, the disposed earth to be levelled neatly after breaking clods complete as per specifications.. Pg No.141.Item No.19.1)								
	Basic rate		77.00						
	Add A.W. 8%		6.16						
	Total		83.16						
	cross road RHS New drain	1	213.00	0.70	0.90	134.19			
	Desilting of existing drain	1	250.00	0.45	0.45	50.63			
					Total:-	**184.82**	83.16	Cum	15370.00
2	**KSRB 4-1.3:** Providing and laying in position plain cement concrete of nominal mix 1:4:8 using **40mm** and down size graded granite metal machine mixed, conrete laid in layers not exceeding 15 cms. Thick well compacted in foundation and plinth, including cost of all materials labour, HOM of machinery, curing complete as per specification . (Pg.No.12, It.4.3)								
	Basic rate		4695.00						
	Add A.W. 8%		375.60						
	Total		5070.60						
	cross road RHS New drain	1	213.00	0.7	0.15	22.37			
						22.37	5070.60	Cum	113404.00
4	**KSRB 4-.9-2:** Providing and fabricating TMT . Steel reinforcement for R.C.C. work including straightening, cutting, bending, hooking,placing in position, lapping and / or welding wherever required, tying with binding wire and anchoring to the adjoining members wherever necessary complete as per design(laps and wasteage shall not measured and paid) cost of materials. labour. HOM of machinery complete as per specifications . (Page NO 17, Itm. NO. 4.46.2)								
	Basic rate		54933.25						
	Add A.W. 8%		4394.66						
	Total		59327.91						
	Qty @ 60Kg/cum	drain	0.06	X	57.51	3.45			
					Total:-	**3.45**	59327.91	tonne	204717.00

5	**KSRB 4-6.4:** Providing and removing centering, shuttering strutting, propping etc., and removal of form work for **vertical surface** such as walls at any thickness including attached plasters, buttressed, plinth and string courses cost of all materials, labour complete as per specifications (Page no.14, Item No. 4.31)								
	Basic Rate		**284.00**						
	Area Weightage 8%		22.72						
	total		**306.72**						
		4	213.00		0.60	511.20			
						511.20	306.72	Sqm	156795.26
6	**KSRB 4.2.2**: Providing and laying in position reinforced cement concrete of design mix M20 with OPC cement @ 320 Kgs with 20mm and down size graded granite metal coarse aggregates @ 0.878 cum and fine aggregates @ 0.459 cum with superplastizers @ 3lts confirming to IS 9103-1999 RE affirmed - 2008 machine mixed, concrete laid in layers not exceeding 15cms thick, vibrated for all works in foundation plinth and ground floor level for roof slabs, stair case lintels, retaining walls return walls, walls(anythickness) including attached plasters columns piers abutments pillars posts struts butresses string or lacing courses parapets copings, bed blocks , plain windows cills fillets etc., including cost of all materials labour HOM of machinery curing complete as per specifications. Seocifications No. KBS 4.1,4.6 **(Page NO. 13, Item NO. 4.11)+**									
	Basic rate		5739.00						
	Add A.W. 8%		459.12						
	Total		6198.12						
	Side wall								
	cross road RHS New drain	2	213.00	0.6	0.15	38.34			
	Bottom	1	213.00	0.6	0.15	19.17			
						57.51	6198.12	Cum	356454.00
7	Providing and fixing 10cms thick pre cast **RCC covering slab** using reinforced cement concrete M20 mix with stone aggregate 20mm and down size including centring shuttering reinforcement and bar bending machine mixed concrette laid in layers not exceeding 15 cm thick wellcompacted cost of all materials labour curing complete as per specfications **(Data Rate Approved)**								
	Data Rate		**1836.00**						
	For covering slab								
	RHS	1.00	76.00	0.90		68.40			
					Total	**68.40**	1836.00	Sqm	125583.00

8	KSRRB M100-1 Loading and unloading of stone boulder/stone aggregates/ sand/ kanker/ moorum. KSRRB M100-1:Placing tipper at loading point loading with front end loading, dumping turning for return trip, excluding time for haulage and return trip complete as per specification MORTH Chapter 1 Includin Lead charges (Page 118, item No. 17.1)								
	Qty vide item no.1					184.82	94.82	Cum	17525.00
	Basic rate	=	62.20						
	Conveying charges for 10Kms								
	Rs. 2.00 Tonne Km.								
	Average Weight of earth 1.28 Tonne/Km.								
	For 10 Km								
	Rs.2.00X1.28TonneX10Km	=	25.60						
	Total	=	87.80						
	Add Area Weightage 8%	=	7.02						
			94.82						
	Sub total								989848.26
	Add 1% third party inspection charges								9898.48
	Miscellaneous and rounding off								253.25
							Total:-		1000000.00

Certificate:-

1)This is certified that the work spot comes under BBMP limits only.

2)The rates are as per CSR of 2016-17 year of PWD Bangalore Circle.

3)The Provisions made in estimate are adequate and necessary.

Asst.Engineer
Ward no.7

Asst.Exe.Engineer
Kodigehalli Sub-division
B.B.M.P.

Executive Engineer
Byatrayanapura Division
B.B.M.P.

ADMINISTRATIVE APPROVAL

Accorded For Rs. Ten lakhs only

Head of A/c. P-1771

Div. Ref. No. 71/16-17 Date 14/12/16

AE 14/12

EE(BTP) 14/12

TECHNICAL SANCTION

Accorded For Rs. Ten lakhs only

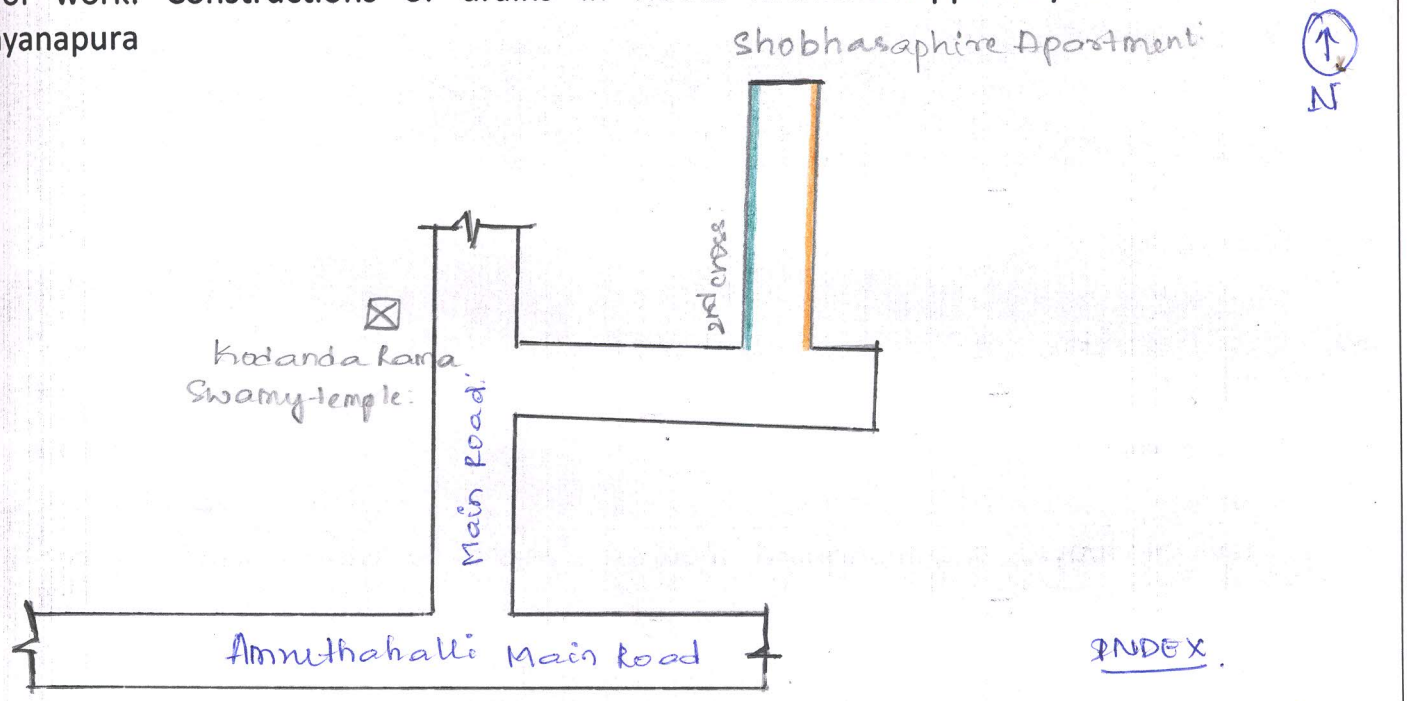
Head of A/c. P-1771

Div. Ref. No. 57/16-17 Date 14/12/16

AE 14/12

EE(BTP) 14/12

me of work: Constructions of drains in Hoodi Munishamappa Layout in ward no.07 atarayanapura



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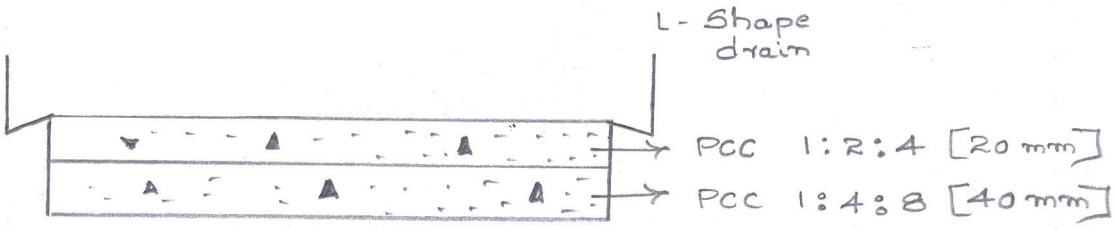
New Drain

Desilting of existing drain



CROSS - SECTION

AE(W77)

Assistant Executive Engineer
Kodigehalli Sub Division
Bruhat Bangalore Mahanagara Palike
Bangalore - 560 092

AMRUTHAHALLI
GRAMATANA

Assistant Executive Engineer
Kodigehalli Sub Division
Bruhat Bangalore Mahanagara Palike
Bangalore - 560 092